ABCDEFGHIJKLMNOPQRSTUWWXJZ-EFGHIJKLMNOPQRSTUVWXXXZ-ABCD NOPQRSTUVWXXXZ-ABCDEFGHIJKLM IJKLMNOPQRSTUVWXXXZ-ABCDEFGH GHIJKLMNOPQRSTUVWXXYZ-ABCDEF MNOPQRSTUVWXXXZ-ABCDEF MNOPQRSTUVWXXXZ-ABCDEF MNOPQRSTUVWXXXZ-ABCDEF MNOPQRSTUVWXXXZ-ABCDEF MNOPQRSTUVWXXXZ-ABCDEF

ALAN-TURING ENISMAENIGM LULLUS menonthi i Kriptuan EY [TLTYDQT S menonthi i Kriptuan

ENIGMAENISM EVITLTYOQTS IVIVIVITURING mesarlii Oehiptuan ALANTURING mesarlii Oehiptuan stemballis: mog: "KRIPTO SISTEMET"
gelesi: "PUBLIK"

ABCDEFGHIJKLMNOPQRSTUVWXJZ PQRSTUVWXYZABCDEFGHIJKLMNO UVWXYZABCDEFGHIJKLMNOPQRST BCDEFGHIJKLMNOPQRSTUVWXYZA LNNOPQRSTUVWXXZZABCDEFGHIJK LNNOPQRSTUVWXXZZABCDEFGHIJK KLMNOPQRSTUVWXYZABCDEFGHIJ KLMNOPQRSTUVWXYZABCDEFGH

Shombails: mog: "RIVEST-SHAMIR-ADLEMAN"
gelesi: 11 RSA"

ABCDEFGHIJKLMNOPQRSTUVWXJZ-RSTUVWXYZ-ABCDEFGHIJKLMNOPQ STUVWXYZABBOOE EGHIJKMNOPQ STUVWXYZABBOOE EGHIJKMNOPQ ABCDEFGHIJKLMNOPQRSTUVWXYZ-

RIVEST-SHAMIR-ADLEMAN RSARSARSARSARSARSA LILLILITAR OTHRAUCECSN

RSARSARSARSARSA H-VVJTQJHROTHRAUCECSN RIVEST-SHAMIR-ADLEMAN Mesashi i dehniputuwa

OTP

frombullis: mesoshi: "INFORMATE", solesi: "GELES"

AD BOOK DODD

A B C D E F G H I J K L M N O P Q P S T U V W X Y Z E G 00 01 02 03 04 05 06 07 08 03 10 11 17 13 14 15 16 17 18 18 20 11 22 23 24 25 26 27

m=28

INFORMATE 08 13 05 14 17 12 03 13 26

GELES 27 04 11 26 18

11 0h 02 2h Q M H L E C YI LH R Mesarli i Kriptuan

07 17 16 12 07 11 0h 02 24 27 0h 11 26 18 27 0h 11 26 08 13 05 14 17 12 00 19 26 RMA N F O Menarli i Delniptua.

: Combelle 2 = A B C D E F G 11 T T X L M N O P Q R S T U V W X J Z E O 1 2 3 4 5 6 + 2 9 10 11 12 13 14 15 16 14 18 19 20 21 21 23 11 75 2 6 im= 2+1 STRUKTURA DISKRETE MATEMAT IKE 18 17 17 20 10 19 20 14 00 03 09 18 10 11 04 1904 12 00 19 04 12 00 19 08 10 26 19 17 20 10 19 20 17 00 03 08 19 10 17 04 19 04 pried(2) 12 00 19 08 10 26 12 04 18 02 21 16 19 00 19 22 19 12 25 10 02 20 24 5 C Q U WTMZK C 0 mesashi i Kriptuan 09 24 22 19 12 25 10 02 20 18 02 21 16 1973 19 02 10 26 19 03 1200 17 04 04 19 08 0 0 12

12 00 19 24 12 00 19 mid (27) (3) 04 20 1700 03 20 10 19 17 RETE ORADISK 19 KT 12 T

mesoulur i Dehiptuan

- KRIPTOSISTEMET ONETIME PAD

10, 17, 08, 15, 19, 14, 18, 08, 17, 19, 04, 18, 04, 19

14, 13, 04, 13, 08, 12, 04, 15, 00, 03, 14, 13, 04, 19

24 04, 12, 08, 02, 22, 23, 12, 22, 18, 04, 08, 12

Y E M I B A W X R W S E I M

Neverthi i Kriptman

Mesashi i duliptuon

RSA-MATRICA

1) p=3 (g=11, mosq:"KRI PT OGRAFIA" 1) m= 3.11=33 2) (1m)=2-10=20 3) e= ?, 1 < e < 20, (e,20)=1 e= (3),5,79,4,13,17,193 KRIPTOSPAFIA 103 = 10 (mod 33) 173=29 (mod 33) 8° = 17 (mod 33) 153=09 (pmod 33) 193 = 28 (mod 33) 143=55 (mod 33) 63=18 (mod 33) 123=29 (mod 33) 03=0 (mucod 33)

10,29,17,9,28,5,19,29,0,26,17,0) Mesonchi i Kniptuan

5°=26 (mod 33)

B3= (7 (mod 33)

03 = 0 (muscl 3 3)

2.
$$p=5$$
, $g=13$, $e=4$
 $n=5.13=65$
 $S(n)=4.12=48$
 $7.d=\Delta \pmod{48}$
 $d=7$

(1)
$$(43 = 43) \pmod{65}$$

 $43^6 = 14 \pmod{65}$
 $43^7 = 17 \pmod{65}$
 $(57^6 = 57) \pmod{65}$
 $(57^6 = 64) \pmod{65}$

8 $\frac{RSA}{3 \cdot P = 5, g} = 7, n = 35, \{ s(n) = 24, \ell = 5 \}$ $5 \cdot d = 4 \pmod{24}$ d = 5

33 =03 (mod 35) D 00 = 0 (mod 35) A 12 = 17 (mod 35) R 33 =03 (mod 35) D 00 = 00 (mod 35) A 13 = 13 (mod 35) N 0 = 08 (mod 35) T 0 = 08 (mod 35) A 37135333

192048234

1. Lum Sulli 4:

KOSOVAIME 10 14 18 14 24 00 08 12 04

$$M = \begin{bmatrix} 10 & 14 & 08 \\ 14 & 2 & 12 \\ 18 & 00 & 04 \end{bmatrix} \quad K = \begin{bmatrix} 1 & 3 & 5 \\ -2 & -3 & 1 \\ 1 & 2 & -5 \end{bmatrix}$$

$$X = \begin{bmatrix} 10 & 14 & 08 \\ 14 & 21 & 12 \\ 10 & 00 & 04 \end{bmatrix} \times \begin{bmatrix} 1 & 35 \\ -2 & -31 \\ 2 & -5 \end{bmatrix} = \begin{bmatrix} 142 & 72 & 64 \\ -44 & -31 & -48 \\ -52 & 56 & 12 \\ 4 & 100 & 12 \end{bmatrix}$$

$$X = \begin{bmatrix} 10 & 14 & 08 \\ 10 & 00 & 04 \\ 10 & 00 & 04 \end{bmatrix} \times \begin{bmatrix} 1 & 35 \\ -2 & 56 & 12 \\ 10 & 00 & 04 \end{bmatrix} = \begin{bmatrix} 142 & 27 & 64 \\ -52 & 56 & 12 \\ 4 & 100 & 12 \\ 100 & 100 & 12 \end{bmatrix}$$

$$M = \begin{bmatrix} -3/19 & -18/19 \\ -9/19 & 10/19 \\ 11/19 & -1/49 \\ -62 & 56 & 12 \end{bmatrix} = \begin{bmatrix} 10 & 14 & 04 \\ 14 & 2 & 12 \\ -62 & 56 & 12 \end{bmatrix}$$

 $\begin{array}{c}
\text{Monthall 5:} \\
030011000013
\end{array}$ $\begin{array}{c}
1 = 3.2 \\
03000
\end{array}$ $A = \begin{bmatrix} 5 & 3 & 2 \\
1 & 13 \\
0 & 13 \\
1 & 13
\end{array}$ $X = A^{2} + I = \begin{bmatrix} 23 & 68 & 007 \\ 12 & 09 \\ -23 & -19 \end{bmatrix} + \begin{bmatrix} 4 & 0 & 0 \\ 0 & 0 & 4 \end{bmatrix} =$ K= 24 08 0 12 09 5 12 -19 -7 $X = \begin{bmatrix} 24 & 04 & 00 \\ 12 & 09 & 05 \\ -28 & -19 & -7 \end{bmatrix} \times \begin{bmatrix} 03 & 03 \\ 00 & 00 \\ 14 & 13 \end{bmatrix} = \begin{bmatrix} 72 & 72 \\ 106 & 104 \\ -182 & -182 \end{bmatrix}$ 72,106,-132,72,101,-175) Meodely'; Kriptuon

Thomsalli: 6

Materica

$$X = \begin{bmatrix} -154 & -135 & -142 & -150 & -147 & -76 \\ 30 & 22 & 33 & 44 & 35 & 16 \\ 30 & 22 & 39 & 49 & 154 & 194 & 84 \end{bmatrix}$$

$$K = \begin{bmatrix} -3 & -3 & 4 \\ 0 & 2 & 1 \\ 4 & 3 & 4 \end{bmatrix}$$

$$F = 1 \cdot 3 \cdot 4 - 24 \cdot (3 \cdot 4) \cdot 7 \cdot (3 \cdot 4)$$

$$M=K^{-1}\times X=$$